

1. The microcomputer, Intel MCS-80 is based on the widely used Intel.
A. 8080 microprocessor
B. 8085 microprocessor
C. 8086 microprocessor
D. 8082 microprocessor
Answer: A
2. If a and b are positive integers and $(a-b)/3.5 = 4/7$ , then
A. $b \le a$
B. $b > a$
C. $b = a$
D. $b \ge a$
Answer: A
3. In a microprocessor the clock signal is
A. Is always generated internally
B. Is always supplied externally
C. May be generated internally or supplied externally
D. Is mostly supplied externally
Answer: C
4. What is the selling price of a car if the cost of the car is Rs.60 and a profit of $10\%$ over selling price is earned?

A. Rs 68

B. Rs 67



C. Rs 69
D. Rs 66
Answer: D
5. Which of the following identifiers is invalid in Pascal?
A. BETA
B. MAX 40
C. 2ND
D. A MAX
Answer: C
6. Computers 'Basic input output system' is generally stored in RAM chips.
A. True
B. False
Answer: A
7. There are 5 red shoes, 4 green shoes. If one draw randomly a shoe what is the probability of getting a red shoe is?
A. 5C1/4C1
B. 4C1/9C1
C. 5C1/9C1
D. 9C1/5C1
Answer: C
8. In 8085



- A. The upper 8 address bits appear on address bus and lower 8 bits on address data bus
- B. The lower 8 address bits appear on address bus and the upper 8 address bits appear on address data bus
- C. Either upper or lower 8 address bits may appear at address bus
- D. Either upper or lower 8 address bits may appear at address data bus

Answer: A

- 9. The stack is a data storage area in RAM used by certain microprocessor operations.
- A. True
- B. False

Answer: A

- 10. A company contracts to paint 3 houses. Mr.Brown can paint a house in 6 days while Mr.Black would take 8 days and Mr.Blue 12 days. After 8 days Mr.Brown goes on vacation and Mr. Black begins to work for a period of 6 days. How many days will it take Mr.Blue to complete the contract?
- A. 7
- B. 8
- C. 11
- D. 12

Answer: C

#### 11. Which of the following is true?

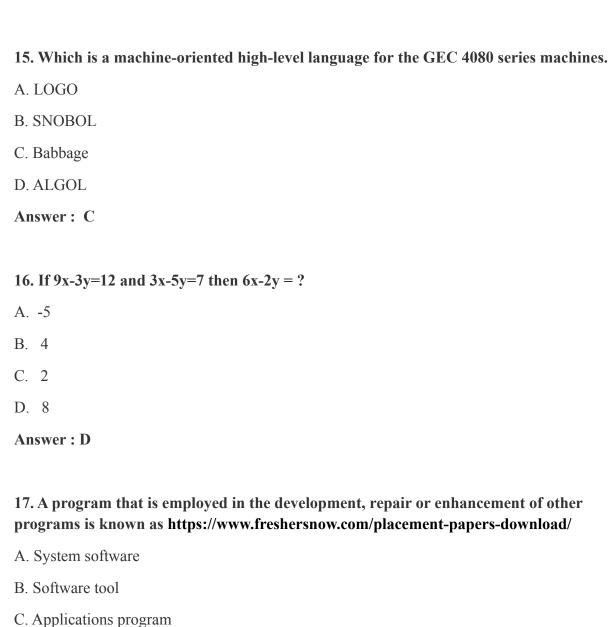
- A. Intel 8080 was the ancestor of Intel 8085
- B. Intel 8080 was the ancestor of Intel Z 80
- C. Intel 8080 was the ancestor of both Intel 8085 and Z 80



D. Intel 8085 was the ancestor of Intel 8085
Answer: C
12. 2 hours after a freight train leaves Delhi a passenger train leaves the same station travelling in the same direction at an average speed of 16 km/hr. After travelling 4 hrs the passenger train overtakes the freight train. The average speed of the freight train was?
A. 30
B. 40
C. 58
D. 60
Answer: B
13. When was the first 8-bit microprocessor introduced?
A. 1969
B. 1974
C. 1979
D. 1985
Answer: B
14. In june a baseball team that played 60 games had won 30% of its game played. After a phenomenal winning streak this team raised its average to 50%. How many games must the team have won in a row to attain this average?
A. 12
B. 20
C. 24
D. 30



A		
Answer	•	•
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Answer: B

D. Utility program



18. The price of a product is reduced by $30\%$ . By what percentage should it be increased to make it $100\%$ ?
A. 42.857%
B. 43%
C. 45%
D. 41%
Answer: A
19. A program component that allows structuring of a program in an unusual way is known as
A. Correlation
B. Coroutine
C. Diagonalization
D. Quene
Answer: B
20. The radian of a number system
A. Is variable
B. Has nothing to do with digit position value
C. Equals the number of its distinct counting digits
D. Is always an even number

Answer: C